

# RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/714,564B  
Source: IFW/b  
Date Processed by STIC: 1/9/07

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 01/09/2007

PATENT APPLICATION: US/10/714,564B

TIME: 13:12:41

Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt

Output Set: N:\CRF4\01092007\J714564B.raw

4 <110> APPLICANT: Blaschuk, Orest W.  
 5     Michaud, Stephanie D.  
 7 <120> TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
 8     FUNCTIONS OF NONCLASSICAL CADHERINS  
 11 <130> FILE REFERENCE: 100086.418  
 13 <140> CURRENT APPLICATION NUMBER: US 10/714,564B  
 14 <141> CURRENT FILING DATE: 2003-11-14  
 16 <150> PRIOR APPLICATION NUMBER: US 60/426,689  
 17 <151> PRIOR FILING DATE: 2002-11-14  
 19 <150> PRIOR APPLICATION NUMBER: US 60/426,551  
 20 <151> PRIOR FILING DATE: 2002-11-14  
 22 <160> NUMBER OF SEQ ID NOS: 1402  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 6  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Trp-containing CAR sequence  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: VARIANT  
 36 <222> LOCATION: 1  
 37 <223> OTHER INFORMATION: Xaa = Glu or Ala  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: VARIANT  
 41 <222> LOCATION: 3  
 42 <223> OTHER INFORMATION: Xaa = Ile or Val  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: VARIANT  
 46 <222> LOCATION: 4  
 47 <223> OTHER INFORMATION: Xaa = Lys or Thr  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: VARIANT  
 51 <222> LOCATION: 5  
 52 <223> OTHER INFORMATION: Xaa = Phe or Ala  
 54 <220> FEATURE:  
 55 <221> NAME/KEY: VARIANT  
 56 <222> LOCATION: 6  
 57 <223> OTHER INFORMATION: Xaa = Ala or Pro  
 59 <400> SEQUENCE: 1  
 W--> 60 Xaa Trp Xaa Xaa Xaa Xaa  
 61     1                     5  
 64 <210> SEQ ID NO: 2

*see p. 6*

## RAW SEQUENCE LISTING

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Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt

Output Set: N:\CRF4\01092007\J714564B.raw

```

65 <211> LENGTH: 6
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Trp-containing CAR sequence
72 <400> SEQUENCE: 2
73 Arg Trp Ala Pro Ile Pro
74 1 5
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 5
79 <212> TYPE: PRT
80 <213> ORGANISM: Unknown
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Calcium binding motif
85 <220> FEATURE:
86 <221> NAME/KEY: VARIANT
87 <222> LOCATION: 2
88 <223> OTHER INFORMATION: Xaa = any amino acid
90 <400> SEQUENCE: 3
W--> 91 Asp Xaa Asn Asp Asn
92 1 5
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 4
97 <212> TYPE: PRT
98 <213> ORGANISM: unknown
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Calcium binding motif
103 <400> SEQUENCE: 4
104 Leu Asp Arg Glu
105 1
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 6
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Trp-containing CAR sequence
116 <220> FEATURE:
117 <221> NAME/KEY: VARIANT
118 <222> LOCATION: 1
119 <223> OTHER INFORMATION: Xaa = Gly, Asp or Ser
121 <220> FEATURE:
122 <221> NAME/KEY: VARIANT
123 <222> LOCATION: 3
124 <223> OTHER INFORMATION: Xaa = Val, Ile or Met
126 <400> SEQUENCE: 5
W--> 127 Xaa Trp Xaa Trp Asn Gln
128 1 5
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 6

```

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Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt

Output Set: N:\CRF4\01092007\J714564B.raw

```

133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Trp-containing CAR sequence
139 <400> SEQUENCE: 6
140 Ala Trp Val Ile Pro Pro
141 1 5
144 <210> SEQ ID NO: 7
145 <211> LENGTH: 4
146 <212> TYPE: PRT
147 <213> ORGANISM: unknown
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Calcium binding motif
152 <220> FEATURE:
153 <221> NAME/KEY: VARIANT
154 <222> LOCATION: 1,3
155 <223> OTHER INFORMATION: Xaa = any amino acid
158 <400> SEQUENCE: 7
W--> 159 Xaa Asp Xaa Glu
160 1
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 5
165 <212> TYPE: PRT
166 <213> ORGANISM: unknown
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Calcium binding motif
171 <220> FEATURE:
172 <221> NAME/KEY: VARIANT
173 <222> LOCATION: 2,3,5
174 <223> OTHER INFORMATION: Xaa = any amino acid
177 <400> SEQUENCE: 8
W--> 178 Asp Xaa Xaa Asp Xaa
179 1 5
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 4
184 <212> TYPE: PRT
185 <213> ORGANISM: unknown
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Calcium binding motif
190 <400> SEQUENCE: 9
191 Met Asp Arg Glu
192 1
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 4
197 <212> TYPE: PRT
198 <213> ORGANISM: unknown
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Calcium binding motif
203 <400> SEQUENCE: 10

```

## RAW SEQUENCE LISTING

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Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt

Output Set: N:\CRF4\01092007\J714564B.raw

```

204 Leu Asp Phe Glu
205 1
208 <210> SEQ ID NO: 11
209 <211> LENGTH: 4
210 <212> TYPE: PRT
211 <213> ORGANISM: unknown
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Calcium binding motif
216 <400> SEQUENCE: 11
217 Leu Asp Tyr Glu
218 1
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 4
223 <212> TYPE: PRT
224 <213> ORGANISM: Unknown
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Calcium binding motif
229 <400> SEQUENCE: 12
230 Ile Asp Arg Glu
231 1
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 4
236 <212> TYPE: PRT
237 <213> ORGANISM: Unknown
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Calcium binding motif
242 <400> SEQUENCE: 13
243 Val Asp Arg Glu
244 1
247 <210> SEQ ID NO: 14
248 <211> LENGTH: 4
249 <212> TYPE: PRT
250 <213> ORGANISM: Unknown
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Calcium binding motif
255 <400> SEQUENCE: 14
256 Ile Asp Phe Glu
257 1
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 11
262 <212> TYPE: PRT
263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Third calcium binding motif found within most
267 cadherin repeats
269 <220> FEATURE:
270 <221> NAME/KEY: VARIANT
271 <222> LOCATION: 1
272 <223> OTHER INFORMATION: Xaa = Leu, Ile or Val

```

## RAW SEQUENCE LISTING

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Output Set: N:\CRF4\01092007\J714564B.raw

```

274 <220> FEATURE:
275 <221> NAME/KEY: VARIANT
276 <222> LOCATION: 2
277 <223> OTHER INFORMATION: Xaa = any amino acid
279 <220> FEATURE:
280 <221> NAME/KEY: VARIANT
281 <222> LOCATION: 3
282 <223> OTHER INFORMATION: Xaa = Leu, Ile or Val
284 <220> FEATURE:
285 <221> NAME/KEY: VARIANT
286 <222> LOCATION: 4,6
287 <223> OTHER INFORMATION: Xaa = any amino acid
289 <220> FEATURE:
290 <221> NAME/KEY: VARIANT
291 <222> LOCATION: 9
292 <223> OTHER INFORMATION: Xaa = Asn or His
294 <220> FEATURE:
295 <221> NAME/KEY: VARIANT
296 <222> LOCATION: 10
297 <223> OTHER INFORMATION: Xaa = any amino acid
300 <400> SEQUENCE: 15
W--> 301 Xaa Xaa Xaa Xaa Asp Xaa Asn Asp Xaa Xaa Pro
302 1 5 10
305 <210> SEQ ID NO: 16
306 <211> LENGTH: 6
307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
312 CAR sequence
314 <400> SEQUENCE: 16
315 Gly Trp Val Trp Asn Gln
316 1 5
319 <210> SEQ ID NO: 17
320 <211> LENGTH: 6
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
326 CAR sequence
328 <400> SEQUENCE: 17
329 Asp Trp Ile Trp Asn Gln
330 1 5
333 <210> SEQ ID NO: 18
334 <211> LENGTH: 6
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/714,564B

DATE: 01/09/2007  
TIME: 13:12:42

Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt  
Output Set: N:\CRF4\01092007\J714564B.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5,6  
Seq#:3; Xaa Pos. 2  
Seq#:5; Xaa Pos. 1,3  
Seq#:7; Xaa Pos. 1,3  
Seq#:8; Xaa Pos. 2,3,5  
Seq#:15; Xaa Pos. 1,2,3,4,6,9,10  
Seq#:167; Xaa Pos. 1,3,4,5,6  
Seq#:1310; Xaa Pos. 2,3,4,5,6,7  
Seq#:1311; Xaa Pos. 1,3,4,5,6,7,8  
Seq#:1331; Xaa Pos. 2  
Seq#:1332; Xaa Pos. 2  
Seq#:1340; Xaa Pos. 5  
Seq#:1343; Xaa Pos. 2  
Seq#:1344; Xaa Pos. 2

## VERIFICATION SUMMARY

DATE: 01/09/2007

PATENT APPLICATION: US/10/714,564B

TIME: 13:12:42

Input Set : N:\efs\01\_09\_07\10714564b\_efs\100086\_418\_SEQLISTING.txt

Output Set: N:\CRF4\01092007\J714564B.raw

L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:2454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:0  
L:17352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1310 after pos.:0  
L:17392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1311 after pos.:0  
L:17663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1331 after pos.:0  
L:17681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1332 after pos.:0  
L:17790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1340 after pos.:0  
L:17834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1343 after pos.:0  
L:17852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1344 after pos.:0